

Title (en)

CATALYST DETERIORATION DIAGNOSIS SYSTEM AND METHOD FOR INTERNAL COMBUSTION ENGINE

Title (de)

SYSTEM ZUR DIAGNOSE VON KATALYSATORBEEINTRÄCHTIGUNG UND VERFAHREN FÜR VERBRENNUNGSMOTOREN

Title (fr)

SYSTÈME DE DIAGNOSTIC DE DÉTÉRIORATION DE CATALYSEUR ET PROCÉDÉ APPLIQUÉ AU MOTEUR À COMBUSTION INTERNE

Publication

EP 2318677 B1 20160831 (EN)

Application

EP 09786043 A 20090722

Priority

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- JP 2008192640 A 20080725

Abstract (en)

[origin: WO2010010448A1] A catalyst deterioration diagnosis system performs a diagnosis of deterioration of the oxidation catalyst (12) based on a high-temperature-inflow-condition exhaust gas temperature and a low-temperature-inflow-condition exhaust gas temperature. The high-temperature-inflow-condition exhaust gas temperature is a temperature detected by a temperature sensor (44) while the temperature of the exhaust gas that flows into the oxidation catalyst (12) is in a high temperature region H while the reducing agent is supplied from the reducing agent supply means (16) into the exhaust gas that flows into the oxidation catalyst (12). The low-temperature-inflow-condition exhaust gas temperature is a temperature detected by the temperature sensor (44) while the temperature of the exhaust gas that flows into the oxidation catalyst (12) is in a low temperature region L while the reducing agent is supplied from a reducing agent supply means (16) into the exhaust gas that flows into the oxidation catalyst (12).

IPC 8 full level

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